

CLAIMS

1. An information recording/playback apparatus that
records/replays data on/from a recording medium, the apparatus
5 comprising:

determination means for determining before data
recording/playback is started whether the data correspond to
data to be recorded/replayed in real time or data to be
recorded/replayed with accuracy; and

10 control means for deciding a process to be executed
upon error occurrence during the data recording/playback based
on a determination result obtained by the determination means.

2. The information recording/playback apparatus as
15 claimed in claim 1, wherein

the determination means determines before the data
recording/playback is started that the data correspond to data
to be recorded/replayed in real time when predetermined
information for the data are detected, and determines that the
20 data correspond to data to be recorded/replayed with accuracy
when the predetermined information is not detected.

3. The information recording/playback apparatus as
claimed in claim 1 or 2, wherein

25 the data to be recorded/replayed in real time are

video data.

4. The information recording/playback apparatus as claimed in claim 3, wherein

5 the video data are data compressed according to a moving image compression standard.

5. The information recording/playback apparatus as claimed in claim 2 or 4, wherein

10 the predetermined information is a sequence header.

6. The information recording/playback apparatus as claimed in claim 1 or 2, wherein

the control means decides to execute a process of
15 performing a retry operation a predetermined number of times for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a
20 process of performing the retry operation a number of times which number is less than the predetermined number upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed in real time.

7. The information recording/playback apparatus as claimed in claim 1 or 2, wherein

the control means decides to execute a process of performing a retry operation a predetermined number of times
5 for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a process of not performing the retry operation and proceeding
10 with the data recording/playback when it is determined that the data correspond to data to be recorded/replayed in real time.

8. The information recording/playback apparatus as
15 claimed in claim 1 or 2, wherein

the control means decides to execute a process of performing a retry operation a predetermined number of times for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when
20 it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a process of ignoring an error upon error occurrence during the data recording/playback and proceeding with the data recording/playback when it is determined that the data
25 correspond to data to be recorded/replayed in real time.

9. The information recording/playback apparatus as claimed in claim 1 or 2, wherein

the control means decides to execute a process of
5 performing a retry operation a predetermined number of times
for retrying recording/playback on an error generated area
upon error occurrence during the data recording/playback when
it is determined that the data correspond to data to be
recorded/replayed with accuracy, and decides to execute a
10 process of skipping the error generated area upon error
occurrence during the data recording/playback and proceeding
with the data recording/playback when it is determined that
the data correspond to data to be recorded/replayed in real
time.

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10. An information recording/playback method for
recording/replaying data on/from a recording medium, the
method comprising:

a determination step performed before data
20 recording/playback is started for determining whether the data
correspond to data to be recorded/replayed in real time or
data to be recorded/replayed with accuracy; and

a control step for deciding a process to be
executed upon error occurrence during the data
25 recording/playback based on a determination result obtained in

the determination step.

11. The information recording/playback method as claimed in claim 10, wherein

5 the determination step determines before the data recording/playback is started that the data correspond to data to be recorded/replayed in real time when predetermined information for the data are detected, and determines that the data correspond to data to be recorded/replayed with accuracy
10 when the predetermined information is not detected.

12. The information recording/playback method as claimed in claim 10 or 11, wherein

 the data to be recorded/replayed in real time are
15 video data.

13. The information recording/playback apparatus as claimed in claim 12, wherein

 the video data are data compressed according to a
20 moving image compression standard.

14. The information recording/playback apparatus as claimed in claim 11 or 13, wherein

 the predetermined information is a sequence header.

15. The information recording/playback apparatus as claimed in claim 10 or 11, wherein

the control step decides to execute a process of performing a retry operation a predetermined number of times
5 for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a process of performing the retry operation a number of times
10 which number is less than the predetermined number upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed in real time.

15 16. The information recording/playback apparatus as claimed in claim 10 or 11, wherein

the control step decides to execute a process of performing a retry operation a predetermined number of times for retrying recording/playback on an error generated area
20 upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a process of not performing the retry operation and proceeding with the data recording/playback when it is determined that
25 the data correspond to data to be recorded/replayed in real

time.

17. The information recording/playback apparatus as claimed in claim 10 or 11, wherein

5 the control step decides to execute a process of performing a retry operation a predetermined number of times for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be
10 recorded/replayed with accuracy, and decides to execute a process of ignoring an error upon error occurrence during the data recording/playback and proceeding with the data recording/playback when it is determined that the data correspond to data to be recorded/replayed in real time.

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18. The information recording/playback apparatus as claimed in claim 10 or 11, wherein

 the control means decides to execute a process of performing a retry operation a predetermined number of times
20 for retrying recording/playback on an error generated area upon error occurrence during the data recording/playback when it is determined that the data correspond to data to be recorded/replayed with accuracy, and decides to execute a process of skipping the error generated area upon error
25 occurrence during the data recording/playback and proceeding

with the data recording/playback when it is determined that the data correspond to data to be recorded/replayed in real time.